

Claims

1. A conductive lubricant composition, characterized in that the composition comprises a lubricating base oil (A) other than a silicone oil, and a non-metallic antistatic agent (B), and exhibits a kinematic viscosity of 25 mm²/s or less at 40°C, a viscosity index of 100 or higher, a flash point, as determined through the COC method, of 150°C or higher, and a volume resistivity of 1×10^{10} Ω·cm or less at 25°C.

2. A conductive lubricant composition as described in claim 1, which exhibits a kinematic viscosity of 20 mm²/s or less at 40°C.

3. A conductive lubricant composition as described in claim 1, which exhibits a viscosity index of 120 or higher.

4. A conductive lubricant composition as described in claim 1, which exhibits a pour point of -40°C or lower.

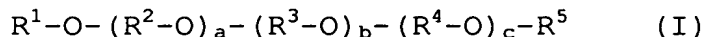
5. A conductive lubricant composition as described in claim 1, which comprises a lubricating base oil (A) formed of carbon, hydrogen, and oxygen, and 0.01 to 10 mass% of at least one compound selected from among an amine derivative, a succinic acid derivative, a poly(oxyalkylene) glycol, and a polyhydric alcohol partial ester, serving as a non-metallic antistatic agent (B).

6. A conductive lubricant composition as described in claim 1, wherein the lubricating base oil (A) contains an ester compound.

7. A conductive lubricant composition as described in claim 6, wherein the ester compound is at least one compound selected from among a polyol ester produced through condensation reaction between a polyhydric alcohol and a fatty acid, a diester produced through condensation reaction between a dibasic acid and a monohydric alcohol, and a monoester produced through condensation reaction between a fatty acid and a monohydric alcohol.

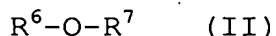
8. A conductive lubricant composition as described in claim 1, wherein the lubricating base oil (A) contains an ether compound.

9. A conductive lubricant composition as described in claim 8, wherein the ether compound is a compound represented by formula (I):



(wherein each of R^1 and R^5 represents hydrogen, a C1-C24 alkyl group, a phenyl group, or a C7-C24 alkylaryl group; each of R^2 , R^3 , and R^4 represents a C2-C18 alkylene group; each of a, b, and c is 0 to 8; the sum of a to c is 0 to 8; and the units (R^2-O) , (R^3-O) , and (R^4-O) may be identical to or different from one another.

10. A conductive lubricant composition as described in claim 9, wherein the ether compound is a monoether compound represented by formula (II):



(wherein one of R^6 and R^7 is a C1 to C24 alkyl group, and the other is a C1 to C24 alkyl group, a phenyl group, or a C7 to

C24 alkylaryl group).

11. A conductive lubricant composition as described in claim 5, wherein the lubricating base oil (A) is an ether compound and the non-metallic antistatic agent (B) is an amine derivative.

12. A conductive lubricant composition as described in claim 5, wherein the amine derivative serving as the non-metallic antistatic agent (B) is a condensate produced from tetraethylenepentamine and a fatty acid.

13. A conductive lubricant composition as described in claim 1, wherein the lubricating base oil (A) further contains a hydrocarbon compound.

14. A conductive lubricant composition as described in claim 1, which further contains at least one additive selected from among an antioxidant, an oiliness agent, a friction reducer, a rust preventive, a metal deactivator, a defoaming agent, and a viscosity index improver.

15. A bearing oil comprising a conductive lubricant composition as recited in claim 1.